

**Listing of Claims**

Claims 1-22 (withdrawn)

Claims 34-46 (withdrawn)

Claims 21-22 (cancelled)

23. (currently amended) An isolated ~~human heparanase~~ polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) ~~an isolated~~ an amino acid sequence of a heparanase-H polypeptide comprising the amino acid sequence of SEQ ID NO:2;
- (b) ~~a heparanase-H~~ an isolated polypeptide comprising the amino acid sequence at residues 42 through 534 of SEQ ID NO:2;
- (c) ~~a heparanase-H~~ an isolated polypeptide comprising the amino acid sequence at residues 42 through 129 of SEQ ID NO:2;
- (d) ~~a heparanase-H~~ an isolated polypeptide comprising the amino acid sequence at residues 42 through 161 of SEQ ID NO:2;
- (e) ~~a heparanase-H~~ an isolated polypeptide comprising the amino acid sequence at residues 130 through 534 of SEQ ID NO:2 and;
- (f) ~~a heparanase-H~~ an isolated polypeptide comprising the amino acid sequence at residues 162 through 534 of SEQ ID NO:2

24. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence of SEQ ID NO:2.

25. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence at residues 42 through 534 of SEQ ID NO:2.

26. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence at residues 42 through 129 of SEQ ID NO:2.
27. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence at residues 42 through 161 of SEQ ID NO:2.
28. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence at residues 130 through 534 of SEQ ID NO:2.
29. (currently amended) The isolated ~~heparanase-H~~ polypeptide of claim 23 wherein the polypeptide molecule comprises the amino acid sequence at residues 162 through 534 of SEQ ID NO:2.
29. (currently amended) A ~~heparanase-H enzyme~~ polypeptide comprising
- (a) an isolated ~~heparanase-H~~ polypeptide comprising the amino acid sequence at residues 42 through 129 of SEQ ID NO: 2; and
  - (b) and isolated ~~heparanase-H~~ polypeptide comprising the amino acid sequence at residues 130 through 534 of SEQ ID NO:2
30. (currently amended) An ~~heparanase-H enzyme~~ isolated polypeptide comprising
- (a) an isolated ~~human heparanase~~ polypeptide comprising the amino acid sequence at residues 42 through 161 of SEQ ID NO: 2; and
  - (b) and isolated ~~human heparanase~~ polypeptide comprising the amino acid sequence at residues 162 through 534 of SEQ ID NO:2
31. (currently amended) An ~~heparanase-H enzyme~~ isolated polypeptide comprising

- (a) an isolated ~~human heparanase~~ polypeptide comprising the amino acid sequence at residues 42 through 129 of SEQ ID NO: 2; and
- (b) and isolated ~~human heparanase~~ polypeptide comprising the amino acid sequence at residues 162 through 534 of SEQ ID NO:2.

32. (cancelled)

33. (currently amended) A isolated ~~heparanase-H~~ polypeptide comprising the amino acid sequence set forth in SEQ ID NO: 2, or a fragment thereof comprising an epitope specific to said polypeptide.

45. (newly presented) An isolated polypeptide produced by expressing the isolated nucleic acid molecule selected from the group consisting of:

- (a) the isolated nucleic acid molecule comprising nucleotide positions 25 through 1626 of SEQ ID NO:1,
- (b) the isolated nucleic acid molecule comprising nucleotide positions 148 through 1626 of SEQ ID NO: 1
- (c) the isolated nucleic acid molecule comprising nucleotide positions 148 through 411 of SEQ ID NO:1,
- (d) the isolated nucleic acid molecule comprising nucleotide positions 148 through 507 of SEQ ID NO:1,
- (e) the isolated nucleic acid molecule comprising nucleotide positions 412 through 1626 of SEQ ID NO:1
- (f) the isolated nucleic acid molecule comprising nucleotide positions 508 through 1626 of SEQ ID NO:1

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46. (newly presented) A composition comprising a polypeptide according to claim 23 in a pharmaceutically acceptable carrier.